Amendments to the Claims

Please amend Claims 1 and 11. Please add new Claim 21. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1. (Currently Amended) A method of providing a search engine for searching, evaluating and/or optimizing an emergent model on a computer network, comprising the steps of:

    generating data objects and/or function objects;

    publishing references to the data objects and/or the function objects;

    subscribing to the data objects and/or the function[[s]] objects by creating relationships between the data objects and/or the function objects through referencing the data objects and/or the function objects within the function objects, thereby linking the data objects and/or the function objects, wherein networks of linked data objects and/or function objects emerge;

    sending messages to referencing data objects and/or function objects when referenced data objects and/or referenced function objects change;

    solving the functions within the function objects when the messages are received;

    storing the data objects and/or the function objects in a distributed manner across multiple computing devices on a computer network; and

    defining at least one of the data objects and/or function objects as an input [[data]] object and defining at least one of the data objects and/or function objects as an output [[data]] object to a search engine, the search engine generating changes to the input [[data]] object until the output [[data]] object satisfies a predefined criteria; and

    wherein the emergent networks of linked data objects and/or function objects are independently published to, and subscribed to, in a manner free of a

globally predefined network of data objects and/or function objects, thereby generating the emergent model.

2. (Original) The method of Claim 1 wherein at least a part of the configuration of the networks of linked data objects and/or function objects is predefined and used to determine which data objects and/or function objects are generated on which of the computing devices in the computer network.

3. (Original) The method of Claim 1 wherein a user interface is defined that displays the data objects and/or function objects on a computing device on the computer network using a client process that communicates with a server process wherein the data objects and/or function objects can be viewed on any computing device connected to the computer network.

4. (Original) The method of Claim 1 wherein the data objects and/or function objects are stored in logical groups.

5. (Original) The method of Claim 1 wherein the references to the data objects and/or function objects are published using electronic media, print media or human conversation.

6. (Original) The method of Claim 1 wherein the step of generating the data objects and/or function objects provides an interface mapping for data objects and/or function objects stored in application programs, databases or computer code libraries.

7. (Original) The method of Claim 1 wherein the function objects are implemented by computer code that is complied, dynamically linked and evaluated at runtime.

8.   (Original) The method of Claim 1 wherein the function objects are implemented by computer code that is interpreted and evaluated at runtime.

9.   (Original) The method of Claim 1 wherein the sending or receiving of messages can be enabled or disabled based on predefined criteria.

10.   (Original) The method of Claim 9 wherein the criteria is based upon message source, message destination or message contents.

11.   (Currently Amended) A method of providing a search engine for optimizing a decentralized model on a computer network comprising the steps of:

generating data objects and/or function objects;

publishing references to the data objects and/or the function objects;

subscribing to the data objects and/or the function[[s]] objects by creating relationships between the data objects and/or the function objects through referencing the data objects and/or the function objects within the function objects, thereby linking the data objects and/or the function objects, wherein networks of linked data objects and/or function objects emerge;

sending messages to referencing data objects and/or function objects when referenced data objects and/or referenced function objects change;

solving the functions within the function objects when the messages are received;

storing the data objects and/or the function objects in a distributed manner across multiple computing devices on a computer network;

defining at least one of the data objects as an input data object and defining at least one of data objects as an output data object to a search engine, the search engine generating changes to the input data object until the output data object satisfies a predefined criteria; and

wherein the relationships between the data objects and/or function objects are created without using a single coordinating computing device, or are created using multiple coordinating computing devices on the computer network.

12.   (Original) The method of Claim 11 wherein at least a part of the configuration of the networks of linked data objects and/or function objects is predefined and used to determine which data objects and/or function objects are generated on which of the computing devices in the computer network.

13.   (Original) The method of Claim 11 wherein a user interface is defined that displays the data objects and/or function objects on a computing device on the computer network using a client process that communicates with a server process wherein the data objects and/or function objects can be viewed on any computing device connected to the computer network.

14.   (Original) The method of Claim 11 wherein the data objects and/or function objects are stored in logical groups.

15.   (Original) The method of Claim 11 wherein the references to the data objects and/or function objects are published using electronic media, print media or human conversation.

16.   (Original) The method of Claim 11 wherein the step of generating the data objects and/or function objects provides an interface mapping for data objects and/or function objects stored in application programs, databases or computer code libraries.

17.   (Original) The method of Claim 11 wherein the function objects are implemented by computer code that is complied, dynamically linked and evaluated at runtime.

18.   (Original) The method of Claim 11 wherein the function objects are implemented by computer code that is interpreted and evaluated at runtime.

19.   (Original) The method of Claim 11 wherein the sending or receiving of messages can be enabled or disabled based on predefined criteria.

20.   (Original) The method of Claim 19 wherein the criteria is based upon message source, message destination or message contents.

21.   (New) The method of Claim 11 wherein the method provides a search engine for performing any one or combination of searching, evaluating and optimizing a decentralized model.